

FIG.1

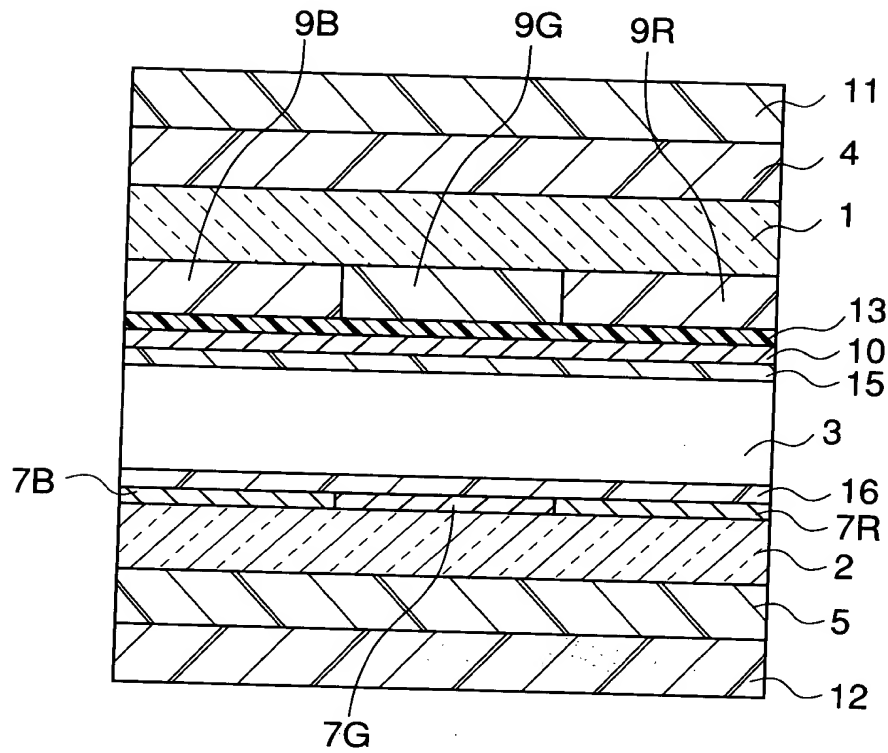


FIG.2

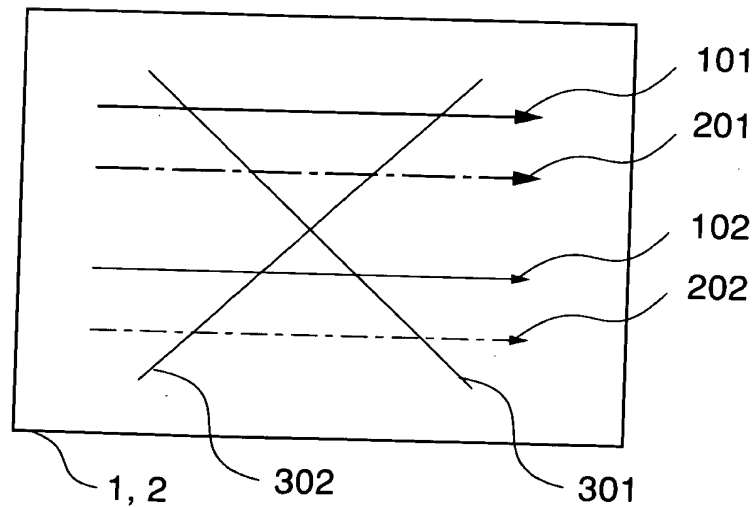
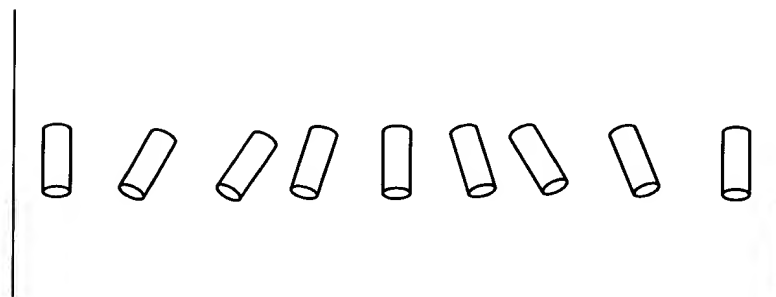


FIG.3

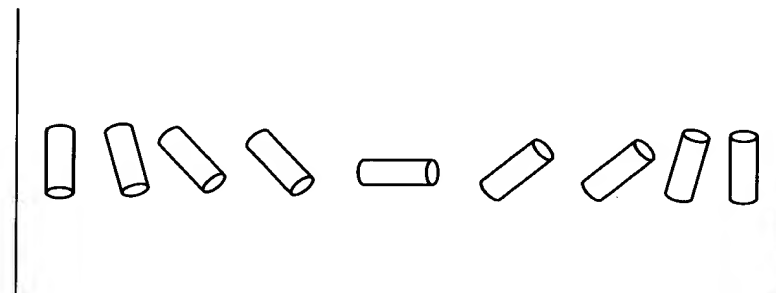
	SAMPLE S1	SAMPLE S2	SAMPLE S3
BIREFRINGENT INDEX OF LIQUID CRYSTAL Δn	0.11	0.13	0.16
PERMITTIVITY ANISOTROPY OF LIQUID CRYSTAL $\Delta \epsilon$	4	4.1	4.1
PRE-TILT	5 DEGREES	5 DEGREES	5 DEGREES
k11	10.2	10.3	10.5
k22	7.0	7.0	7.5
k33	17.0	17.0	17.2
INTERVAL BETWEEN SUBSTRATES	5.5 μ m	5.5 μ m	5.5 μ m
PHASE COMPENSATION PLATE R _{ff} (VALUE AT FRONT)	50nm FOR ONE PLATE	50nm FOR ONE PLATE	50nm FOR ONE PLATE
APPLIED VOLTAGE UNDER BLACK DISPLAY	8V	9V	10V

FIG. 4A



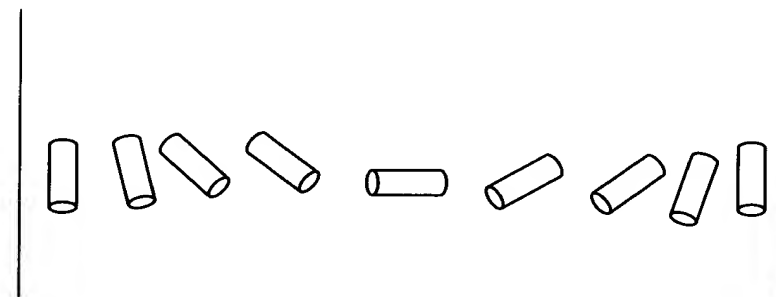
SPLAY

FIG. 4B



TWIST

FIG. 4C



BEND

FIG.5

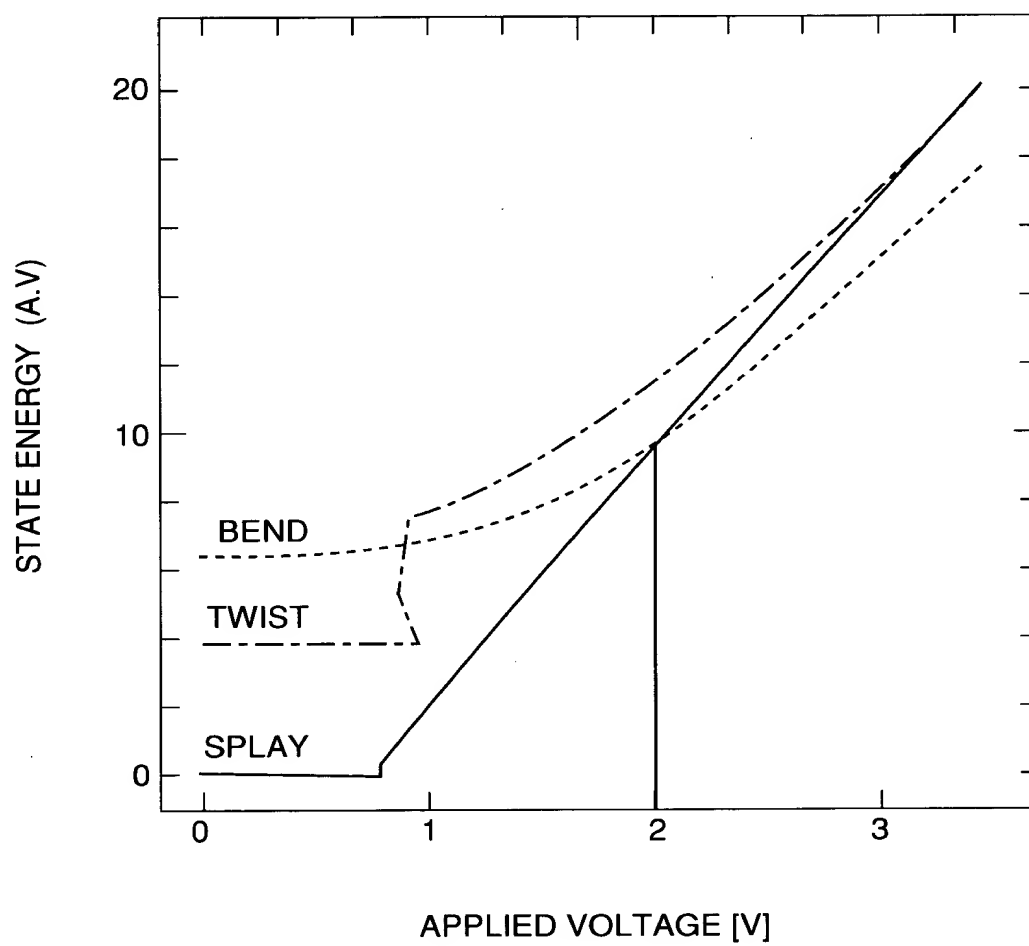


FIG.6

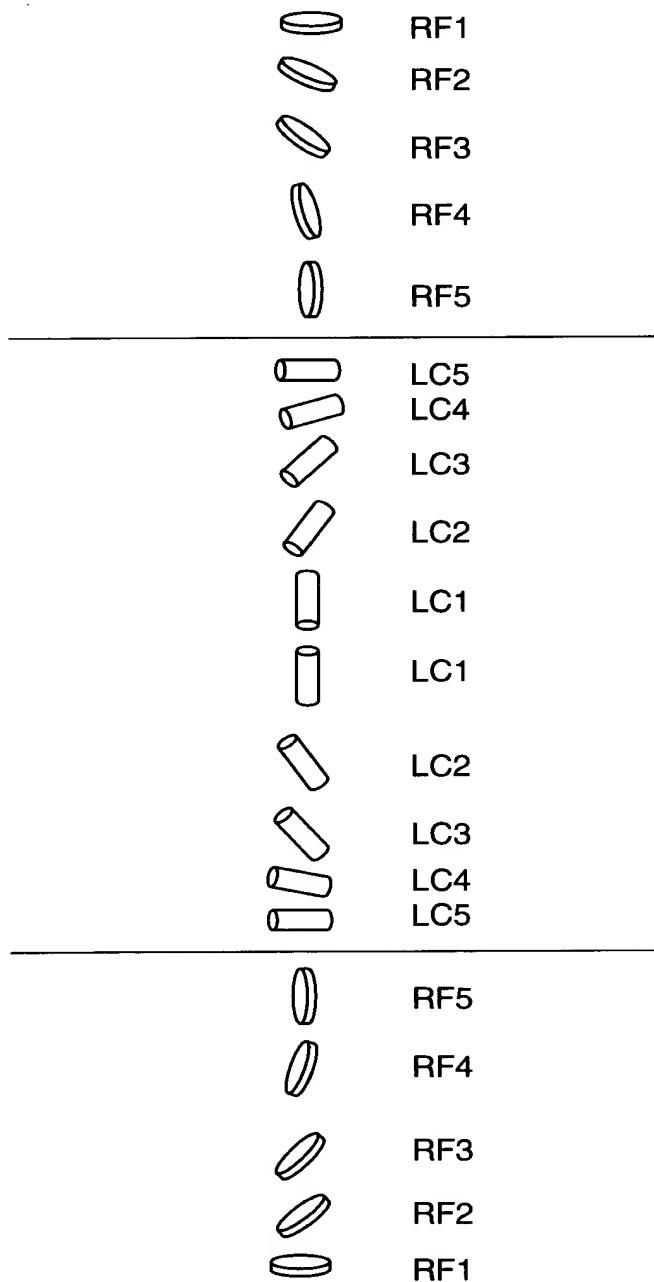


FIG.7A

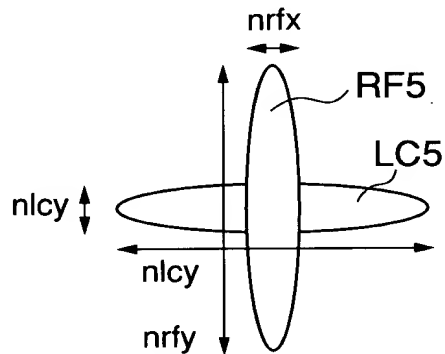
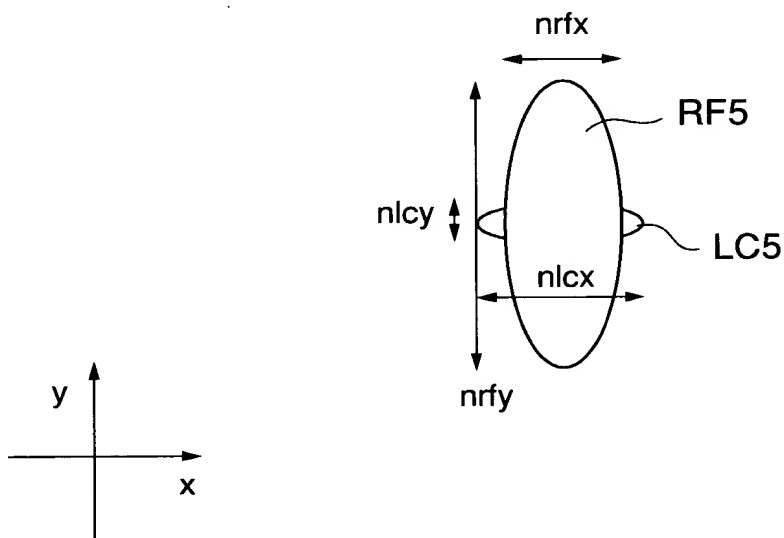


FIG.7B



nlcx... x-DIRECTIONAL REFRACTIVE INDEX OF LC5
 nlcy... Y-DIRECTIONAL REFRACTIVE INDEX OF LC5
 nrfx... x-DIRECTIONAL REFRACTIVE INDEX OF RF5
 nrfy... y-DIRECTIONAL REFRACTIVE INDEX OF RF5

FIG.8

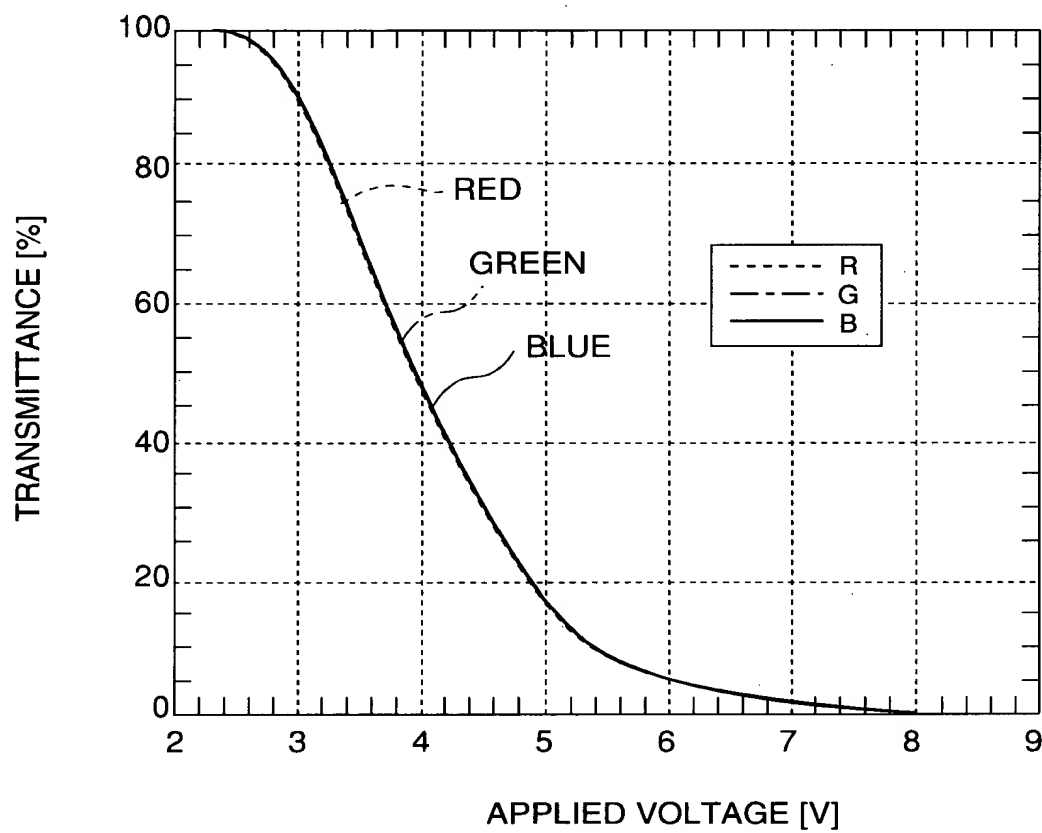


FIG.9

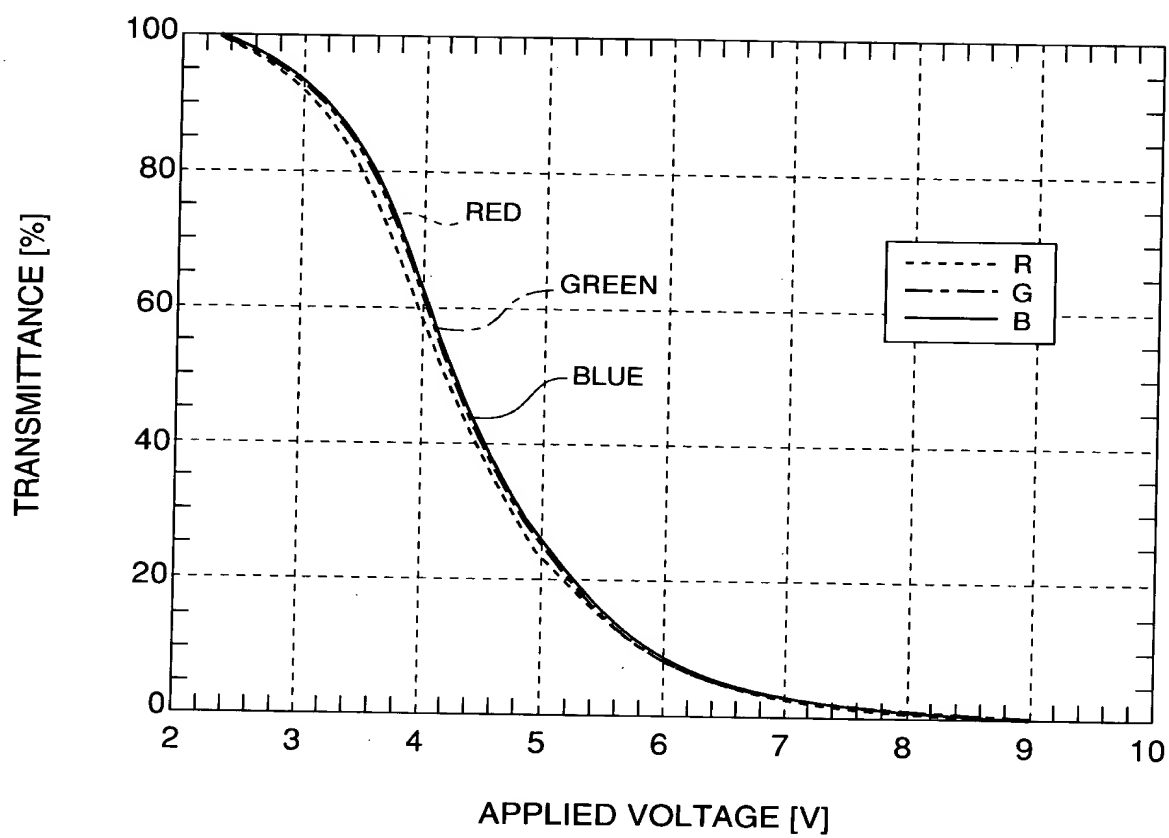


FIG.10

